## YISHUN SECONDARY SCHOOL MATHEMATICS SECONDARY 2 G2 2024

Week 4  2.1: Cartesian Coordinates  2.2 Functions 2.3 Linear Functions  T1W5 - WA1 Chapter 1 Sec 1 topic Percentage, Numbers, Estimation and approximation  Week 6  2.3 Linear Functions  2.4 Application of Linear Graphs in Real-world Contexts 3.1 Graphs of Linear Equations in the form ax + by = k 3.2 Solving Simultaneous Linear Equations using Graphical Methods 3.3 Solving Linear Equation by Elimination Method 3.4 Solving Linear Equation by Substitution Method 3.5 Application of Simultaneous Equation in Real-world Contexts  4.1 Addition and Subtraction of Quadratic Expressions 4.2 Expansion of Algebraic Expressions of the form (a + b)(c + d) 4.3 Expansion of Quadratic Expressions 4.4: Factorisation of Linear Expressions  Week 10  4.4: Factorisation of Linear Expressions  March Holiday Assignment  Term 2  Chapter  S.1: Expansion using Special Algebraic Identities 5.2: Factorisation using Special Algebraic Identities 5.2: Factorisation and Division of Algebraic Fractions 6.2: Multiplication and Division of Algebraic Fractions 7.1: Direct Proportion  Week 4  7.3: Other Forms of Direct Proportion	Mathematics Curriculum		Key Programmes	
Math Modelling, investigations and making connections among mathematical concepts.  Term 1 Chapter Back to school Programme (Tues to Thurs)  Week 1 (New Year's Day – Mon)  1.1 Linear Expressions with Fractional Coefficients  1.2 Linear Equations with Fractional Coefficients and Fractional Equations  1.3 Simple Inequalities  1.4 Solving Simple Linear Inequalities  Week 4 2.1: Cartesian Coordinates  2.2 Functions 2.3 Linear Functions  Week 5 Percentage, Numbers, Estimation and approximation  Week 6 2.3 Linear Functions  Week 7 (CNY – Mon, Tues)  Week 7 (CNY – Mon, Tues)  Graphical Methods  3.3 Solving Linear Equations in the form ax + by = k 3.2 Solving Simultaneous Linear Equations using Graphical Methods 3.5 Application of Simultaneous Equation in Real-world Contexts  4.1 Addition and Subtraction of Quadratic Expressions 4.2 Expansion of Algebraic Expressions 4.4 Factorisation of Quadratic Expressions  Week 10 4.5 Factorisation of Quadratic Expressions  March Holiday Assignment  Term 2 Chapter  Chapter  March Holiday Assignment  Term 2 Chapter  Chapter  Chapter  Chapter  Assessment  Meek 3 (Good Fri)  Week 4 7.5 Other Forms of Direct Proportion				
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Week 5 YSS Students Learning Fest	Week 4	7.3: Other Forms of Direct Proportion		
	Week 5	YSS Students Learning Fest		

Week 6	<ul> <li>7.4: Inverse Proportion</li> <li>7.5: Algebraic and Graphical Representation on Inverse Proportion</li> <li>7.6: Other Forms of Inverse Proportions</li> </ul>	
Week 7	8.1: Quadrilaterals 8.2: Geometrical Constructions of Triangles and Quadrilaterals	
Week 8	8.3: Polygons	
	9.1: Congruent Figures	T2W9 – WA2
Week 9 (Cross Cty – Friday)	9.2: Similar Figures	Chp 2 - 7.3
Week 10 (22 <sup>nd</sup> May Wed – Vesak Day)	9.3: Similarity and Map Scales	
	June Holiday Assignment	
Term 3	Chapter	Assessment
Week 1	10.1: Pythagoras' Theorem	
	10.2: Application of Pythagoras' Theorem in Real-World	
Week 2 (1st Jul Mon – Youth	Contexts	
Day)	10.3: Converse of Pythagoras' Theorem	
Week 3	11.1: Volume and Surface Area of Pyramids	
	11.2: Volume and Surface Area of Cone	
Week 4	11.3: Volume and Surface Area of Spheres 11.4: Volume and Surface Area of Composite Solids	
Week 5 (25 to 27 Jul – HBL)	HBL due to National Oral Examination 11.4: Volume and Surface Area of Composite Solids	
Week 6	12.1: Probability Experiment and Sample Space 12.2: Probability of Single Events 12.3: Further Examples of Probability of Single Event	
Week 7 (National Day Celebration – Thurs, National Day – Fri)	12.4: Experimental Approach to Finding Probability	T3W7 – WA3 Chp 5 -10
Week 8	13.1: Dot Diagrams 13.2: Histograms for Ungrouped Data 13.3: Stem-and-leaf Diagrams 13.4: Histograms for Grouped Data	
Week 9	14.1: Mean 14.2: Median 14.3: Mode	
Week 10 (Teachers' Day Celebration-Thurs, Teachers' Day-Fri)	14.4: Measure of Central Tendency	
	September Holiday Assignment	
Term 4	Chapter	Assessment
Week 1	Revision	
Week 2	Revision	
Week 3	Revision End-of-Year Exam (25 to 27 Sep)	
Week 3 -5	End-of-Year Examination (30 Sep to 7 Oct)	
Week 6	Script Checking and Review of Exam Papers	
Week 7	Post-Exam Programmes	